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Rua Engenheiro Gama Lobo, 57, Apt. 302, Vila Isabel,
CEP-20551-100 Rio de Janeiro (BR).

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(71) Applicant and

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(72) Inventor: **ALBUQUERQUE, Edson, X.** [US/US]; 6005
Lakeview Road, Baltimore, MD 21210 (US).

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(72) Inventor; and

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(75) Inventor/Applicant (for US only): **DE BARREIRO,**
Eliezer, J. [BR/BR]; Rua Haddock Lobo, N.35, Apt. 603,
Tijuca, CIP-20260-290 Rio de Janeiro (BR).

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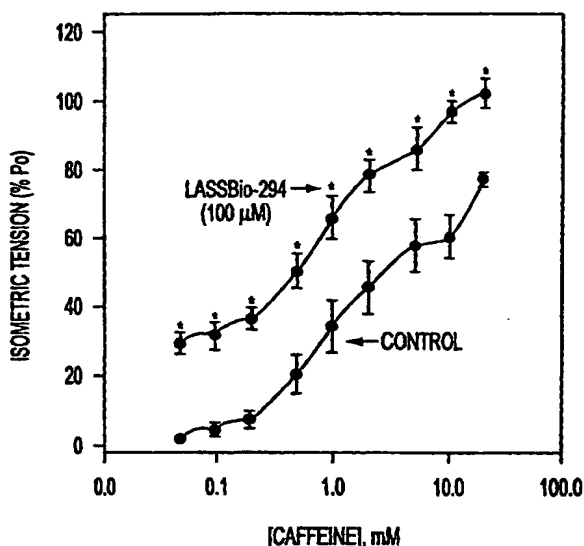
(74) Agent: **SCHNELLER, Marina, V.**; Venable, P.O. Box
34385, Washington, DC 20043-9998 (US).

(71) Applicants (for all designated States except US):
UNIVERSITY OF MARYLAND, BALTIMORE
[US/US]; 520 West Lombard Street, Baltimore, MD
21201-1627 (US). **SUDO, Roberto, Takashi** [BR/BR];

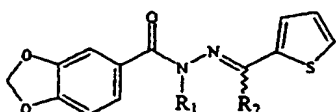
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(54) Title: **THIENYLHYDRAZON WITH DIGITALIS-LIKE PROPERTIES (POSITIVE INOTROPIC EFFECTS)**



(57) Abstract: The invention discloses a compound having the formula (I) wherein R_1 is selected from the group consisting of hydrogen, alkyl of 1 to 6 carbon atoms, unsubstituted phenyl, and substituted phenyl; R_2 is selected from the group consisting of H, alkene, un-substituted phenol, and substituted phenyl; and pharmaceutically acceptable salts thereof, having digitalis-like properties. The invention further discloses a novel method to synthesize 3,4-methylenedioxybenzoyl-2-thienylhydrazone (LASSBio-294). LASSBio-294 produces positive inotropic effect on cardiac and skeletal muscle. The invention is useful for the treatment of congestive heart failure and muscle fatigue. It lacks toxic effects seen in digitalis glycosides.



(I)



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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B. FIELDS SEARCHED

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Stellmach, J

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